					CTR CF	RITERIA											HUMAN HE	ALTH CALC	JLATIONS
				Freshwate	er	Human	Health	Basin Plan		REA	SONABLE	POTENTI	AL ANALY	SIS (RPA)	)			Organisns C	Only
CTR# DATE	Units	CV MEG	C		nronic =	Not applicable		Not applicable C Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	В	B>C & present in Effl.	Need	Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh O	MDEL/	MDEL hh
											Go to			Go to					
1 Antimony	μg/L	0.6 <6		NONE NON	NE	14	4300	6	4300	NO	Tier 2	<10	No	tier 3	NO	NO			
2 Arsenic	μg/L	0.6	1.7	340	150	NONE	NONE	50	150	NO	Go to Tier 2	5.41	No	Go to tier 3	NO	NO			
3 Beryllium	μg/L	0.6 <1		NONE NON	NE	Narrative	Narrative	4	Narrative	NO	Go to Tier 2	<1	No	Go to tier 3	NO	NO			
4 Cadmium*	μg/L	0.6	0.1	8.27	3.75	Narrative	Narrative	5	3.75	NO	Go to Tier 2	1.39	No	Go to tier 3	NO	NO			
5a Chromium III*	μg/L	0.6 <10		2694	321	Narrative	Narrative		321	NO	Go to Tier 2	12.6	No	Go to tier 3	NO	NO			
5b Chromium VI	μg/L	0.6 <5		16.3	11.4	Narrative	Narrative	50	11.4	NO	Go to	12.6	No	Go to	NO	NO			
6 Copper*	μg/L	0.73	36.3	23.21	14.75	1300	NONE		14.75	YES	YES	124	YES				N/A	2.2	N/A
7 Lead*	μg/L	0.6	3.65	161.6	6.3	Narrative	Narrative		6.3	NO	Go to Tier 2	<5	NO	Go to tier 3	NO	NO			
8 Mercury	μg/L	0.6 < 0.5	5	Reserved Rese	erved	0.05	0.051	2	9 0.051	No	Go to Tier 2	<1	NO	Go to tier 3	NO	NO			
9 Nickel*	μg/L	0.73	11.8	738.67	82.13	610	4600	100	82.13	NO	Go to Tier 2	93	YES	YES			4600	2.2	2 10120
10 Selenium	μg/L	0.6 <5		Reserved	5	Narrative	Narrative	50	5	NO	Go to Tier 2	6.29	NO	Go to tier 3	NO	NO			

FS - Table R1, 1/20 8/31/2006

#### Reasonable Potential Analysis and Limit Derivation **Using SIP Methodology** Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge) (CA0059099, CI#6599)

				AQUATIC	LIFE CALCU	LATIONS		AQUA	TIC LIFE	CALCULATI	ONS				Pre	evious Per	mit Limits
					Freshwater				Fresi	hwater		PROPOSI	ED LIMITS		Order 00	-166	
CTR#	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL ag.life	MDEL multiplier (n=4)	MDEL aglife	Lowest AMEL	Lowest MDEL	Recommendation	Mo. Ave	Daily Max	
	Antimony	μg/L	(p.c.)					(IIII)		(iii)				No limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO.		no limit	
	2 Arsenic	μg/L												No new limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO.	8		
	B Beryllium	μg/L												No new limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO.	0.033		
4	Cadmium*	μg/L												No new limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO.	1	4	
5a	Chromium III*	μg/L												No limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO.	no limit	no limit	
5b	Chromium VI	μg/L												No new limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO based on new information.	2	8	
50	CHIOMIUM VI	μg/L												New information. Need Limit (Tier 1 & 2). RP to exceed the CTR Freshwater Aquatic life criteria. Limit higher than previous because of hardness	2	0	
	Copper*	μg/L	0.271	6.28991	0.468	6.903	6.28991	1.68	10.567	3.6	23.2098	10.57	23.21	data.	3	12	
	Lead*	μg/L												No new limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO based on new information.	2	8	
														No new limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO based on new information.	0.051	0.100	
	8 Mercury	μg/L												New information. Need Limit (Tier 1 & 2). RP to exceed the CTR Freshwater Aquatic life criteria. Limit higher than previous because of hardness	0.051	0.102	
Ş	Nickel*	μg/L	0.271	200.1796	0.468	38.43684	38.43684	1.68	64.5739	3.6	9 141.832	64.57	141.83	No new limit, because there was no RP to exceed the CTR criteria	5	20	
10	) Selenium	μg/L												or the Basin Plan WQO. Require interim monitoring.	4.08	8.2	

8/31/2006

						CTR	CRITERIA											HUMAN HE	ALTH CALC	ULATIONS
											REA	SONABL	E POTENTIA	L ANALY	SIS (RPA)	)				
					Fresh	water	Huma	an Health	Basin Plan							1			Organisns (	Only
CTR#	DATE	Units	cv	MEC	C acute = CMC tot	C chronic	= Not applical C hh W&O	ble C hh C	applicable C Title 22	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	В	B>C & present in Effl.	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh O	MDEL/ AMEL multiplier	MDEL hh
												Go to			Go to					
11	Silver*	μg/L	0.0	6 <10	10.21	NONE	NONE	NONE		10.21	NO	Tier 2	<10	No	tier 3	NO	NO			_
12	Thallium	μg/L	0.0	6 <10	NONE	NONE		1.7	6.3 2	6.3	NO	Go to Tier 2	<10	No	Go to tier 3	NO	NO			
13	Zinc*	μg/L	0.2	6 <b>74.2</b>	188.77		189 none	NONE		188.77	NO	Go to Tier 2	51.2	NO	Go to tier 3	NO	NO			
14	Cyanide	μg/L Fibers/	0.0	6 <10	22		5.2 7	00 22	20,000 200	5.2	! NO	Go to Tier 2 Go to	No sample	NO	Go to tier 3 Go to	NO	NO			
15	Asbestos	L	0.0	6 No sample	NONE	NONE	7,000,0	00 NONE	7x10^6	7x10^6	NO	Tier 2	No sample	No	Go to	NO	NO			
	2,3,7,8-TCDD (Dioxin)	μg/L		6 <b>7.7E-09</b>	NONE	NONE	0.0000000		4E-08 3x10^-5	1.4E-08		NO Go to	4.9E-09	NO	tier 3 Go to		NO			
1/	Acrolein	μg/L	0.0	6 <2.5	NONE	NONE	3	20	780	780	NO	Tier 2	<0.5	No	tier 3	NO	NO			
18	Acrylonitrile	μg/L	0.0	6 <1	NONE	NONE	0.0	59	0.66	0.66	NO	NO Go to	<0.5	No	Go to tier 3 Go to	NO	NO			_
	Benzene	μg/L		6 < 0.5	NONE	NONE		1.2	71 1		NO	Tier 2 Go to	<0.5	No	tier 3 Go to	NO	NO			_
	Bromoform  Carbon Tetrahloride	μg/L μg/L	0.0	6 <b>9.1</b>	NONE	NONE		25	360 4.4 0.5		NO	Tier 2 Go to Tier 2	<0.5	No No	Go to tier 3		NO NO			+
22	Chlorobenzene	μg/L	0.0	6 <0.5	NONE	NONE	6	80 2	21,000	21,000	NO	Go to Tier 2	<0.5	No	Go to tier 3	NO	NO			
23	Dibromochloromethane	μg/L	2.3	5 <b>15.2</b>	NONE	NONE	0.4	.01	34	34	NO	Go to Tier 2	<0.5	No	Go to tier 3	NO	NO			
24	Chloroethane	μg/L	0.0	6 <1	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Tier 2	<1	NA		NO	NO			
25	2-chloroethyl vinyl ether	μg/L	0.0	6 <2.5	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	<0.5	NA	Go to tier 3	NO	NO			

FS - Table R1, 3/20 8/31/2006

### Reasonable Potential Analysis and Limit Derivation Using SIP Methodology Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge)

(CA0059099, CI#6599)

				AQUATIO	LIFE CALCU	LATIONS		AQUA	TIC LIFE	CALCULATI	ONS				Previou	s Permit Limits	s
					Freshwater				Fres	hwater		PROPOSI	ED LIMITS		Order 00-166		
CTR#	DATE	Unite	ECA acute multiplier	LTA	ECA chronic	LTA chronic	Lowest LTA	AMEL multiplier	AMEL	MDEL multiplier	MDEL	Laurent AMEL	Lawret MDEL	Recommendation	Dail Mo. Ave Max		
CIN#	DATE	Units	(p.7)	acute	multiplier	CHIONIC	LIA	(n=4)	aq.life	(n=4)	aqlife	LOWEST AMEL	Lowest MDEL	Deleted the limit because there	IVIO. Ave IVIAX		
11	Silver*	μg/L												was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.7	2.8	
														Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the		2.0	
	Thallium	μg/L												effluent or receiving water.  No new limit, because there was no RP to exceed the CTR criteria	14		
13	Zinc*	μg/L												or the Basin Plan WQO.	20	80	
14	Cyanide	μg/L Fibers/												No new limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO.	4.2	8.43	
15	Asbestos	ribers/												Interim Monitoring - No Limit			
	2,3,7,8-TCDD (Dioxin)	μg/L												No new limit, because there was no RP to exceed the CTR criteria or the Basin Plan WQO.			
17	Acrolein	μg/L												Interim Monitoring - No Limit			
18	Acrylonitrile	μg/L												Interim Monitoring - No Limit			
19	Benzene	μg/L												Interim Monitoring - No Limit			
20	Bromoform	μg/L												Interim Monitoring - No Limit			
21	Carbon Tetrahloride	μg/L												Interim Monitoring - No Limit			
22	Chlorobenzene	μg/L												Interim Monitoring - No Limit			
23	Dibromochloromethane	μg/L												Interim Monitoring - No Limit			
24	Chloroethane	μg/L												No Limit - No Criteria Available			
25	2-chloroethyl vinyl ether	μg/L												No Limit - No Criteria Available			

FS - Table R1, 4/20 8/31/2006

						L		CTR C	RITERIA											HUMAN HE	ALTH CALC	ULATIONS
							Fres	hwater	Human I	Health	Basin Plan		REAS	SONABLE	POTENTI	AL ANALY	'SIS (RPA)	)			Organisns C	Only
CTR#	DATE	Units	cv	ı	MEC		C acute =	C chronic =	Not applicable		Not applicable C Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	В	B>C & present in Effl.	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh O	MDEL/	MDEL hh
26	Chloroform	μg/L		0.6	2.	.3 N	NONE	NONE	Reserved	Reserved		Reserved	No Criteria Available	Go to Tier 2	1	NA	Go to tier 3	NO	NO			
27	Dichlorobromomethane	μg/L		0.6	6.	. <b>1</b> N	NONE	NONE	0.56	46		46	NO	Go to Tier 2	<0.5	No		NO	NO			
28	1,1-Dichloroethane	μg/L		0.6	<0.5	N	NONE	NONE	NONE	NONE	5	NONE	No Criteria Available	Go to Tier 2	<0.5	No	Go to tier 3	NO	NO			
29	1,2-dichloroethane	μg/L		0.6	<0.5	Ν	NONE	NONE	0.38	99	0.5	99	NO	Go to Tier 2	<0.5	No		NO	NO			
30	1,1-Dichloroethylene	μg/L		0.6	<0.5	Ν	NONE	NONE	0.057	3.2	6	3.2	NO	Go to Tier 2	<0.5	No		NO	NO			
31	1,2-dichlooropropane	μg/L		0.6	<0.5	Ν	NONE	NONE	0.52	39	5	39	NO	Go to Tier 2	<0.5	No		NO	NO			
32	1,3-dichloropropylene	μg/L		0.6	<0.5	Ν	NONE	NONE	10	1,700	0.5	1700	NO	Go to Tier 2 Go to	<0.5	No	Go to tier 3 Go to	NO	NO			
33	Ethylbenzene	μg/L	-	0.6	<1	Ν	NONE	NONE	3100	29,000	300	29000	NO	Tier 2	<0.5	No		NO	NO			<del> </del>
34	Methyl bromide	μg/L	-	0.6	<1	Ν	NONE	NONE	48	4,000		4,000	NO No Criteria	Tier 2	<1	No		NO	NO			
	Methyl chloride	μg/L		0.6			NONE	NONE	Narrative	Narrative		Narrative	Available	Tier 2 Go to	<1	No	Go to	NO	NO			
	Methylene chloride  1,1,2,2-tetrachlroethane	μg/L μg/L		0.6	<0.5		NONE	NONE	0.17	1,600	1	1,600	NO NO	Go to Tier 2	0.5	No No	Go to tier 3	NO NO	NO NO			
38	Tetrachloroethylene	μg/L		0.6	<0.5	Ν	NONE	NONE	0.8	8.85	5	8.85	NO	Go to Tier 2	<0.5	No	Go to tier 2	NO	NO			
39	Toluene	μg/L		0.6	<0.5	Ν	NONE	NONE	6800	200,000	150	200000	NO	Go to Tier 2	<0.5	No	_	NO	NO			
40	Trans 1,2-Dichloroethylene	μg/L		0.6	<0.5	Ν	NONE	NONE	700	140,000	10	140000	NO	Go to Tier 2	<0.5	No		NO	NO			
41	1,1,1-Trichloroethane	μg/L		0.6	<0.5	Ν	NONE	NONE	Narrative	Narrative	200	200	NO	Go to Tier 2 Go to	<0.5	No	Go to tier 3 Go to	NO	NO			-
42	1,1,2-trichloroethane	μg/L		0.6	<0.5	Ν	NONE	NONE	0.6	42	5	42	NO	Tier 2	<0.5	No		NO	NO			

FS - Table R1, 5/20 8/31/2006

#### Reasonable Potential Analysis and Limit Derivation **Using SIP Methodology** Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge) (CA0059099, CI#6599)

				AQUATIC	LIFE CALCU	LATIONS		AQUA	TIC LIFE	CALCULATI	ONS				Pre	evious Per	mit Limits
					Freshwater				Fresi	hwater		PROPOSE	ED LIMITS		Order 00-	-166	
CTR#	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aglife	Lowest AMEL	Lowest MDEL	Recommendation	Mo. Ave	Daily Max	
26	Chloroform	μg/L	W											Deleted the limit because there was no criteria available. MEC is only 2.3 ppb which much less than previous 130 ppb limit.	130	-	
20	Onlordom	μg/L													130		
27	Dichlorobromomethane	μg/L												Interim Monitoring - No Limit			
	1,1-Dichloroethane	μg/L μg/L												Interim Monitoring - No Limit Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	130		
30	1,1-Dichloroethylene	μg/L												Interim Monitoring - No Limit			
31	1,2-dichlooropropane	μg/L												Interim Monitoring - No Limit			
32	1,3-dichloropropylene	μg/L												Interim Monitoring - No Limit			
33	Ethylbenzene	μg/L												Interim Monitoring - No Limit			
34	Methyl bromide	μg/L												Interim Monitoring - No Limit			
35	Methyl chloride	μg/L												No Limit - No Criteria Available			
36	Methylene chloride	μg/L												Interim Monitoring - No Limit			
37	1,1,2,2-tetrachlroethane	μg/L												Interim Monitoring - No Limit			
38	Tetrachloroethylene	μg/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	99		
39	Toluene	μg/L												Interim Monitoring - No Limit			
40	Trans 1,2-Dichloroethylene	μg/L												Interim Monitoring - No Limit			
41	1,1,1-Trichloroethane	μg/L												Interim Monitoring - No Limit			
42	1,1,2-trichloroethane	μg/L												Interim Monitoring - No Limit			

FS - Table R1, 6/20 8/31/2006

#### TABLE R1 Reasonable Potential Analysis and Limit Derivation **Using SIP Methodology**

#### Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge) (CA0059099, CI#6599)

					CTR CF	RITERIA											HUMAN HE	ALTH CALC	ULATIONS
										REA	SONABLE	POTENTI	AL ANALY	'SIS (RPA)	)				
				Fre	shwater	Human I		Basin Plan		,					,	,		Organisns C	nly
CTR# DATE	Units	cv	MEC	C acute =	C chronic =	Not applicable C hh W&O		Not applicable C Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	В	B>C & present in Effl.	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh O	MDEL/ AMEL multiplier	MDEL hh
J. 1.1.	0		0	00 tot	000 101	·	• •		20.11001.0										
43 Trichloroethylene	μg/L	0.6	S <1	NONE	NONE	2.7	81	5	81	NO	Go to Tier 2	<0.5	No	Go to tier 3	NO	NO			
44 Vinyl chloride	μg/L	0.6	S <1	NONE	NONE	2	525	0.5	525	NO	Go to Tier 2	<1	No		NO	NO			
45 0 11 1				NONE	NONE	400	400		400	NO	Go to			Go to		NO			
45 2-chlorophenol	μg/L	0.6	<3	NONE	NONE	120	400		400	NO	Tier 2 Go to	<3	No	tier 3 Go to	NO	NO			1
46 2,4-dichlorophenol	μg/L	0.6	<3	NONE	NONE	93	790		790	NO	Tier 2	<3	No		NO	NO			
47 2,4-dimethylphenol	μg/L		5 <3	NONE	NONE	540	2,300		2,300		Go to Tier 2	<3	No	Go to	NO	NO			
4,6-dinitro-o-resol (aka2-methyl-4,6- 48 Dinitrophenol)	μg/L	0.6	i <3	NONE	NONE	13.4	765		765	NO	Go to Tier 2	<3	No		NO	NO			
49 2,4-dinitrophenol	μg/L	0.6	<3	NONE	NONE	70	14,000		14,000		Go to Tier 2	<3	No		NO	NO			
50 2-nitrophenol	μg/L	0.6	3	NONE	NONE	NONE	NONE		None	No Criteria Available No Criteria	Go to Tier 2 Go to	<3	No	Go to tier 3 Go to	NO	NO			
51 4-nitrophenol 3-Methyl-4-Chlorophenol	μg/L	0.6	<3	NONE	NONE	NONE	NONE		None	Available No Criteria	Tier 2	<3	No		NO	NO			
52 (aka P-chloro-m-resol)	μg/L	0.6	<3	NONE	NONE	NONE	NONE		None	Available	Tier 2	<3	No		NO	NO			
53 Pentachlorophenol	μg/L	0.6	i <3	pH depender	nt pH dependent	0.28	8.2	1	8.2	NO	Go to Tier 2	<3	No		NO	NO			
54 Dhanal	/1			NONE	NONE	04.000	4 000 000		4.094.000	NO	Go to Tier 2		No	Go to	NO	NO			
54 Phenol	μg/L	0.6	<3	NONE	NONE	21,000	4,600,000		4.6x10^6	NO	Go to	<3	No	tier 3 Go to	NO	INO			
55 2,4,6-trichlorophenol	μg/L	0.6	<3	NONE	NONE	2.1	6.5		6.5	NO	Tier 2	<3	No		NO	NO			
56 Acenaphthene	μg/L	0.6	3	NONE	NONE	1200	2,700		2,700		Go to Tier 2	<3	No		NO	NO			
57 Acenaphthylene	μg/L	0.6	i <3	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	<3	No	_	NO	NO			
58 Anthracene	μg/L	0.6	6 <3	NONE	NONE	9600	110,000		110,000	NO	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
59 Benzidine	μα/L	0.6	6 <3	NONE	NONE	0.00012	0.00054		0.00054	ND>C	Go to	<3	No	Go to tier 3	NO	NO			

8/31/2006

#### Reasonable Potential Analysis and Limit Derivation **Using SIP Methodology** Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge)

(CA0059099, CI#6599)

			AQUATIO	C LIFE CALCU	LATIONS		AQUA	ATIC LIFE	CALCULATI	ONS				Previous Per	mit Limits
				Freshwater				Fres	hwater		PROPOSI	ED LIMITS		Order 00-166	
TR# DATE	Heise	ECA acute multiplier	LTA	ECA chronic	LTA chronic	Lowest LTA	AMEL multiplier	AMEL	MDEL multiplier	MDEL	1	L MDEL	B	Daily	
R# DATE	Units	(p.7)	acute	multiplier	cnronic	LIA	(n=4)	aq.life	(n=4)	aqlife	LOWEST AMEL	Lowest MDEL	Recommendation  Deleted the limit because there	Mo. Ave Max	
													was no RP. New monitoring data (new information) indicated pollutant is not present in the		
43 Trichloroethylene	μg/L												effluent or receiving water.	27	
44 Visua oblosido													Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.		
44 Vinyl chloride	μg/L												emuent or receiving water.	36	
45 2-chlorophenol	μg/L												Interim Monitoring - No Limit		
46 2,4-dichlorophenol	μg/L												Interim Monitoring - No Limit		
47 2,4-dimethylphenol	μg/L												Interim Monitoring - No Limit		
4,6-dinitro-o-resol															
(aka2-methyl-4,6- 48 Dinitrophenol)	μg/L												Interim Monitoring - No Limit		
49 2,4-dinitrophenol	μg/L												Interim Monitoring - No Limit		
50 2-nitrophenol	μg/L												No Criteria Available		
51 4-nitrophenol	μg/L												No Criteria Available		
3-Methyl-4-Chlorophenol 52 (aka P-chloro-m-resol)	μg/L												No Criteria Available		
53 Pentachlorophenol	μg/L												Interim Monitoring - No Limit		
54 Phenol	μg/L												Interim Monitoring - No Limit		
55 2,4,6-trichlorophenol	μg/L												Interim Monitoring - No Limit		
56 Acenaphthene	μg/L												Interim Monitoring - No Limit		
57 Acenaphthylene	μg/L												No Criteria Available		
58 Anthracene	μg/L												Interim Monitoring - No Limit		
59 Benzidine	μg/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.00054 0.0011	

FS - Table R1, 8/20 8/31/2006

ischarge #001 - F	O I W DISC
(CA0059099,	CI#6599)

						CTR C	RITERIA											HUMAN HE	ALTH CALC	JLATIONS
											REA	SONABLE	POTENTI	AL ANALY	SIS (RPA	)				
					Fr	eshwater	Human I	Health	Basin Plan			T	1		1				Organisns O	nly
CTR#	DATE	Units	cv	MEC	C acute =	C chronic =	Not applicable C hh W&O	C hh O	Not applicable C Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	В	B>C & present in Effl.	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh O		MDEL hh
6	D Benzo(a)Anthracene	μg/L	0.6	6 <3	NONE	NONE	0.0044	0.049		0.049	ND>C	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
6	1 Benzo(a)Pyrene	μg/L	0.6	6 <3	NONE	NONE	0.0044	0.049		0.049	ND>C	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
6:	2 Benzo(b)Fluoranthene	μg/L	0.6	6 <3	NONE	NONE	0.0044	0.049		0.049	ND>C	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
6	Benzo(ghi)Perylene	μg/L	0.6	3 <3	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
64	4 Benzo(k)Fluoranthene	μg/L	0.6	6 <3	NONE	NONE	0.0044	0.049		0.049	ND>C	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
6	5 Bis(2-Chloroethoxy) methane	μg/L	0.6	6 <3	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
6	6 Bis(2-Chloroethyl)Ether	μg/L	0.6	6 <3	NONE	NONE	0.031	1.4		1.4	ND>C	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
6	7 Bis(2-Chloroisopropyl) Ether	μg/L	0.6	6 <3	NONE	NONE	1400	170,000		170,000	NO	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
68	B Bis(2-Ethylhexyl) Phthalate	μg/L	1.29	21.	8 NONE	NONE	1.8	5.9		5.9	YES No Criteria	YES Go to	18.1	YES	Go to			5.9	2.763	16.3017
6	9 4-Bromophenyl Phenyl Ether	μg/L	0.6	6 <3	NONE	NONE	NONE	NONE		NONE	Available	Tier 2	<3	No		NO	NO			<u> </u>
	Butylbenzyl Phthalate	μg/L		6 <3	NONE	NONE	3000	5,200		5,200		Tier 2 Go to	<3	No	tier 3 Go to	NO	NO			-
	1 2-Chloronaphthalene	μg/L		6 <3	NONE	NONE	1700	4,300		4,300	No Criteria	Go to	<3	No	Go to	NO	NO			<del>                                     </del>
7:	4-Chlorophenyl Phenyl Ether	μg/L	0.6	6 <3	NONE	NONE	NONE	NONE		NONE	Available	Tier 2	<3	No	tier 3	NO	NO			

FS - Table R1, 9/20 8/31/2006

## Reasonable Potential Analysis and Limit Derivation Using SIP Methodology Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge) (CA0059099, Cl#6599)

				AQUATIC	LIFE CALCU	LATIONS		AQUA	TIC LIFE	CALCULATI	ONS				Pre	evious Pern	nit Limits
					Freshwater				Fres	hwater		PROPOSE	D LIMITS		Order 00-	-166	
<b>○</b> TD#	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aglife	Lowest AMEL	Lowest MDE	Recommendation	Mo. Ave	Daily	
J I N#	DATE	Units	(p.7)	acute	munipher	CHIOTIC	LIA	(11=4)	aq.iiie	(11=4)	aqiiie	LOWEST AMEL	Lowest MDE	Deleted the limit because there	IVIO. AVE	IVIAX	
														was no RP. New monitoring data (new information) indicated pollutant is not present in the			
														effluent or receiving water. Require			
60	D Benzo(a)Anthracene	μg/L												interim monitoring.	0.049	0.098	
														Deleted the limit because there was no RP. New monitoring data (new information) indicated			
_														pollutant is not present in the			
6	1 Benzo(a)Pyrene	μg/L											<del></del>	effluent or receiving water.  Deleted the limit because there was no RP. New monitoring data	0.049	0.098	
62	2 Benzo(b)Fluoranthene	μg/L												(new information) indicated pollutant is not present in the effluent or receiving water.	0.049	0.098	
	3 Benzo(ghi)Perylene  4 Benzo(k)Fluoranthene	μg/L μg/L												No Criteria Available Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water. Require interim monitoring.	0.049	0.098	
	5 Bis(2-Chloroethoxy) methane 6 Bis(2-Chloroethyl)Ether	μg/L μg/L												No Criteria Available Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.045		
67	7 Bis(2-Chloroisopropyl) Ether	μg/L												Interim Monitoring - No Limit			
	B Bis(2-Ethylhexyl) Phthalate	μg/L μg/L	0.163	NA	0.302	NA	NA	2.217	NA	6.126	6 NA	5.90	16.30	Need Limit (Tiers 1 & 2). RP to exceed the CTR Human Health Organims only criteria.	5.9	11.86	
69	9 4-Bromophenyl Phenyl Ether	μg/L												No Criteria Available			
70	0 Butylbenzyl Phthalate	μg/L												Interim Monitoring - No Limit			
71	1 2-Chloronaphthalene	μg/L												Interim Monitoring - No Limit			
72	2 4-Chlorophenyl Phenyl Ether	μg/L												No Criteria Available			

FS - Table R1, 10/20 8/31/2006

				CTR C	RITERIA											HUMAN HE	ALTH CALC	ULATIONS
			Erc	eshwater	Human I	Hoalth	Basin Plan		REA	SONABLE	POTENT	IAL ANALY	SIS (RPA)	)			Organisns C	) nlv
CTR# DATE	Units	CV MEC	C acute =	C chronic =	Not applicable		Not applicable C Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	В	B>C & present in Effl.	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh	MDEL/	MDEL hh
										Go to			Go to					
73 Chrysene	μg/L	0.6 <3	NONE	NONE	0.0044	0.049		0.049	NO	Tier 2 Go to	<3	No	tier 3 Go to	NO	NO			+
74 Dibenzo(a,h)Anthracene	μg/L	0.6 <3	NONE	NONE	0.0044	0.049		0.049	NO	Tier 2	<3	No		NO	NO			
7 + Biberizo(a,ri)/ trialiacerie	pg/L	0.0 0	NONE	NONE	0.0044	0.040		0.040	110	Go to	ν.	140	Go to	110	110			+
75 1,2-Dichlorobenzene	μg/L	0.6 <3	NONE	NONE	2700	17,000	600	17000	NO	Tier 2	<3	No	tier 3	NO	NO			
										Go to			Go to					
76 1,3-Dichlorobenzene	μg/L	0.6 <3	NONE	NONE	400	2,600		2,600	NO	Tier 2 Go to	<3	No	tier 3 Go to	NO	NO			+
77 1,4-Dichlorobenzene	μg/L	0.8 <3	NONE	NONE	400	2,600	5	2,600	NO	Tier 2	<3	No	tier 3	NO	NO			
17 1,1 Diamorosonicono	PAG-	0.0 10	110.12			2,000	Ĭ	2,000		1.0. 2	10		1.0. 0					1
										Go to			Go to					
78 3,3'-Dichlorobenzidine	μg/L	0.6 <3	NONE	NONE	0.04	0.077		0.077	NO	Tier 2	<3	No		NO	NO			
70 0,0 Biomoropenziame	pg/L	0.0 0	NONE	NONE	0.04	0.077		0.077	110	Go to	ν.	140	Go to	110	110			+
79 Diethyl Phthalate	μg/L	0.6 <3	NONE	NONE	23000	120,000		120,000	NO	Tier 2	<3	No	tier 3	NO	NO			
00 0: 11 1 5:11 1 1			NONE	NONE	040000	0.000.000		0.0.4040	NO	Go to			Go to		NO			
80 Dimethyl Phthalate	μg/L	0.6 <3	NONE	NONE	313000	2,900,000		2.9x10^6	NO	Tier 2 Go to	<3	No	tier 3 Go to	NO	NO			+
81 Di-n-Butyl Phthalate	μg/L	0.6 <3	NONE	NONE	2700	12,000		12,000	NO	Tier 2	<3	No		NO	NO			
	1.0					,		,,,,,,,										1
										Go to			Go to					
82 2,4-Dinitrotoluene	μg/L	0.6 <3	NONE	NONE	0.11	9.1		9 1	NO	Tier 2	<3	No	tier 3	NO	NO			
52 2,1 21114 010140110	PS'-	0.0 40	110112		0	0		0	No Criteria	Go to	10		Go to					+
83 2,6-Dinitrotoluene	μg/L	0.6 <3	NONE	NONE	NONE	NONE		NONE	Available	Tier 2	<3	No	tier 3	NO	NO			
			NONE	NONE	NONE	NONE		NONE	No Criteria	Go to			Go to		NO			
84 Di-n-Octyl Phthalate	μg/L	0.6 <3	NONE	NONE	NONE	NONE		NONE	Available	Tier 2	<3	No	tier 3	NO	NO			+
05/10/8:1			NONE	NONE					NO	Go to			Go to					
85 1,2-Diphenylhydrazine	μg/L	0.6 <3	NONE	NONE	0.04	0.54		0.54	NO	Tier 2	<3		tier 3	NO	NO		1	+
										Go to			Go to					
86 Fluoranthene	μg/L	0.6 <3	NONE	NONE	300	370		370	NO	Tier 2	<3	No		NO	NO		1	
87 Fluorene	μg/L	0.6 <3	NONE	NONE	1300	14,000		14,000	NO	Go to Tier 2	<3	No	Go to tier 3	NO	NO			

FS - Table R1, 11/20 8/31/2006

### Reasonable Potential Analysis and Limit Derivation Using SIP Methodology Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge)

(CA0059099, CI#6599)

			AQUATIO	C LIFE CALCU	ILATIONS		AQUA	ATIC LIFE	CALCULATI	ONS				Previous Peri	mit Limits
				Freshwater				Fres	hwater		PROPOSI	ED LIMITS		Order 00-166	
FR# DATE	11-24-	ECA acute multiplier	LTA	ECA chronic	LTA	Lowest LTA	AMEL multiplier	AMEL	MDEL multiplier	MDEL		I MDEI	B	Daily	
R# DATE	Units	(p.7)	acute	multiplier	chronic	LIA	(n=4)	aq.life	(n=4)	aqlife	LOWEST AMEL	Lowest MDEL	Recommendation Deleted the limit because there	Mo. Ave Max	
													was no RP. New monitoring data (new information) indicated pollutant is not present in the		
73 Chrysene	μg/L												effluent or receiving water.	0.049 0.098	
74 Dibenzo(a,h)Anthracene	μg/L												Interim Monitoring - No Limit		
75 1,2-Dichlorobenzene	μg/L												Interim Monitoring - No Limit		
76 1,3-Dichlorobenzene	μg/L												Interim Monitoring - No Limit		
77 1,4-Dichlorobenzene	μg/L										-	-	Interim Monitoring - No Limit Deleted the limit because there was no RP. New monitoring data (new information) indicated		
78 3,3'-Dichlorobenzidine	μg/L												pollutant is not present in the effluent or receiving water.	0.077 0.155	
79 Diethyl Phthalate	μg/L												Interim Monitoring - No Limit		
80 Dimethyl Phthalate	μg/L												Interim Monitoring - No Limit		
81 Di-n-Butyl Phthalate	μg/L												Interim Monitoring - No Limit Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the		
82 2,4-Dinitrotoluene	μg/L												effluent or receiving water.	2.6	
83 2,6-Dinitrotoluene	μg/L												No Criteria Available		
84 Di-n-Octyl Phthalate	μg/L												No Criteria Available		
													Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the		
85 1,2-Diphenylhydrazine	μg/L												effluent or receiving water. Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the	0.054 0.1085	
86 Fluoranthene	μg/L												effluent or receiving water.	15	
87 Fluorene	μg/L												Interim Monitoring - No Limit		

FS - Table R1, 12/20 8/31/2006

(CA0059099, CI#6599)

					CTR C	RITERIA											HUMAN HE	ALTH CALC	ULATIONS
				-	lt	Human I	1114-	Basin Plan		REA	SONABLE	POTENTI	AL ANALY	'SIS (RPA)	)			0	N-1
				C acute =	C chronic =	Not applicable		Not applicable C Title 22		MEC >=	Tier 1 - Need		B>C &	Tier 2 - Need	Tier 3 -	Tier 3 -	AMELhh = ECA = C hh	Organisns ( MDEL/ AMEL	niy
CTR# DATE	Units	cv	MEC	CMC tot	CCC tot		C hh O	GWR	Lowest C	Lowest C	limit?	В	in Effl.	limit?	info. ?	limit?	0	multiplier	MDEL hh
88 Hexachlorobenzene	μg/L	0.6	6 < 0.5	NONE	NONE	0.00075	0.00077		0.00077	NO	Go to	<3	No	Go to	NO	NO			
00 1.00.000.000.000.000	pg/ =		10.0			0.00070	0.00077		0.00077		Go to			Go to					
89 Hexachlorobutadiene	μg/L	0.6	6 <3	NONE	NONE	0.44	50		50	NO	Tier 2	<3	No	tier 3	NO	NO			
00 Hoveehlers avelepontediens	ua/I	0.6	6 <3	NONE	NONE	240	17,000		17,000	NO	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
90 Hexachlorocyclopentadiene	μg/L	0.0	5 < 3	INOINE	NONE	240	17,000		17,000	INO	Go to	<0	INU	Go to	INO	INO			+
91 Hexachloroethane	μg/L	0.6	5 <3	NONE	NONE	1.9	8.9		8.9	NO	Tier 2	<3	No	tier 3	NO	NO			_
											Go to			Go to					
92 Indeno(1,2,3-cd)Pyrene	μg/L	0.6	6 <1	NONE	NONE	0.0044	0.049		0.049	NO	Tier 2 Go to	<3	No	tier 3 Go to	NO	NO			<del>                                     </del>
93 Isophorone	μg/L	0.6	6 <3	NONE	NONE	8.4	600		600	NO	Tier 2	<3	No		NO	NO			
94 Naphthalene	μg/L	0.6	6 <3	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	<3	No		NO	NO			
95 Nitrobenzene	μg/L	0.6	6 <3	NONE	NONE	17	1,900		1,900	NO	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
96 N-Nitrosodimethylamine	μg/L	0.6	6 <3	NONE	NONE	0.00069	8.1		8.1	NO	Go to Tier 2	<3	No		NO	NO			
97 N-Nitrosodi-n-Propylamine	μg/L	0.6	6 <3	NONE	NONE	0.005	1.4		1 4	NO	Go to Tier 2	<3	No	Go to tier 3	NO	NO			
98 N-Nitrosodiphenylamine	μg/L		6 <3	NONE	NONE	5.000	16			NO	Go to	<3	No	Go to tier 3		NO			
										No Criteria	Go to			Go to					1
99 Phenanthrene	μg/L	0.6	6 <3	NONE	NONE	NONE	NONE		NONE	Available	Tier 2 Go to	<3	NA	tier 3 Go to	NO	NO			+
100 Pyrene	μg/L	0.6	6 <3	NONE	NONE	960	11,000		11,000		Tier 2	<3	No	tier 3	NO	NO			
101 1,2,4-Trichlorobenzene	μg/L	0.6	6 <3	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2	<3	NA	Go to tier 3	NO	NO			
102 Aldrin	μg/L	0.6	6 <0.05		3 NONE	0.00013	0.00014		0.00014	NO	Go to Tier 2	<50	No	Go to tier 3	NO	NO			

FS - Table R1, 13/20 8/31/2006

## Reasonable Potential Analysis and Limit Derivation Using SIP Methodology Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge) (CA0059099, Cl#6599)

				AQUATIC	LIFE CALCU	LATIONS		AQUA	TIC LIFE	CALCULATI	ONS				Pre	evious Perr	nit Limits
					Freshwater				Fres	hwater		PROPOSI	ED LIMITS		Order 00	-166	
CTR#	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aqlife	Lowest AMEL	Lowest MDEL	Recommendation	Mo. Ave	Daily Max	
														Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
88	Hexachlorobenzene	μg/L												effluent or receiving water. Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the	0.0008	0.00155	
89	Hexachlorobutadiene	μg/L												effluent or receiving water.	14		
90	Hexachlorocyclopentadiene	μg/L												Interim Monitoring - No Limit			
91	Hexachloroethane	μg/L												Interim Monitoring - No Limit Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
92	Indeno(1,2,3-cd)Pyrene	μg/L												effluent or receiving water.	0.049	0.098	
93	Isophorone	μg/L												Interim Monitoring - No Limit			
94	Naphthalene	μg/L												No Criteria Available			
	Nitrobenzene N-Nitrosodimethylamine	μg/L μg/L												Interim Monitoring - No Limit Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	7.3		
97	N-Nitrosodi-n-Propylamine	μg/L												Interim Monitoring - No Limit			
98	N-Nitrosodiphenylamine	μg/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water. Require interim monitoring.	2.5		
	Phenanthrene	μg/L												No Criteria Available	2.0		
	Pyrene	μg/L												Interim Monitoring - No Limit			
	1,2,4-Trichlorobenzene	μg/L												No Criteria Available Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
102	Aldrin	μg/L												effluent or receiving water.	0.00014	0.0003	

FS - Table R1, 14/20 8/31/2006

				CTR C	RITERIA											HUMAN HE	ALTH CALC	ULATIONS
			_						REA	SONABLE	POTENTI	AL ANALY	SIS (RPA)	)				
CTR# DATE	Units	CV MEC	C acute =	C chronic =	Not applicable		Not applicable C Title 22 GWR	Lowest C	MEC >=	Tier 1 - Need limit?	В	B>C & present in Effl.	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh O	MDEL/ AMEL multiplier	MDEL hh
J	0	0		000 101	0	· ·		2000. 0	20001.0									1
103 alpha-BHC	μg/L	0.6 < 0.05	NONE	NONE	0.0039	0.013		0.013	NO	Go to Tier 2	<50	No	Go to tier 3	NO	NO			
104 beta-BHC	μg/L	0.6 < 0.05	NONE	NONE	0.014	0.046		0.046	NO	NO	<50	No	Go to	NO	NO			
gamma-BHC										Go to			Go to					
105 (aka Lindane)	μg/L	0.6 < 0.05	C	0.95 NONE	0.019	0.063	0.2	0.063	No No Criteria	Tier 2 Go to	<50	No	tier 3	NO	NO			
106 delta-BHC	μg/L	0.6 < 0.05	NONE	NONE	NONE	NONE		NONE	Available	Tier 2	<50	No	Go to tier 3	NO	NO			
107 Chlordane	μg/L	0.6 <0.05		2.4 0.0045	0.00057	0.00059		0.00059	NO	Go to Tier 2	<50	No	Go to tier 3	NO	NO			
108 4,4'-DDT	μg/L	0.6 < 0.1		1.1 0.00	0.00059	0.00059		0.00059	NO	Go to Tier 2	<50	No	Go to tier 3	NO	NO			
109 4,4'-DDE	μg/L	0.6 <0.1	NONE	NONE	0.00059	0.00059		0.00059	NO	Go to Tier 2	<50	No	Go to tier 3	NO	NO			
110 4,4'-DDD	μg/L	0.6 <0.1	NONE	NONE	0.00083	0.00084		0.00083	NO	Go to Tier 2	<50	No	Go to tier 3	NO	NO			
111 Dieldrin	μg/L	0.6 < 0.1		0.24 0.056	0.00014	0.00014		0.00014	NO	Go to Tier 2	<50	No	Go to	NO	NO			
112 alpha-Endosulfan	μg/L	0.6 < 0.1	0	0.056	5 110	240		0.056	NO	Go to Tier 2	<50	No	Go to	NO	NO			

FS - Table R1, 15/20 8/31/2006

### TABLE R1 Reasonable Potential Analysis and Limit Derivation Using SIP Methodology

#### Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge) (CA0059099, CI#6599)

				AQUATIC I	LIFE CALCU	LATIONS		AQUA	TIC LIFE	CALCULATI	ONS				Pre	vious Pern	nit Limits
					Freshwater				Eroel	hwater		PROPOSE	ED LIMITS		Order 00-	166	
									11631	Iwatei		FROFOSE	LD LIWITS		Order 00-	100	
			ECA acute multiplier		ECA chronic	LTA	Lowest	AMEL multiplier	AMEL	MDEL multiplier	MDEL					Daily	
CTR#	DATE	Units	(p.7)			chronic	LTA	(n=4)	aq.life	(n=4)	aglife	Lowest AMEL	Lowest MDEL	Recommendation	Mo. Ave		
			,					, ,						Deleted the limit because there			
100	Notate BUO													was no RP. New monitoring data (new information) indicated pollutant is not present in the	0.040	0.0004	
103	alpha-BHC	μg/L												effluent or receiving water.	0.013	0.0261	
104	beta-BHC	μg/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.046	0.0925	
	gamma-BHC																
105	(aka Lindane)	μg/L	1					1						Interim Monitoring - No Limit			
106	delta-BHC	μg/L												No Criteria Available			
100	della-Bi io	μg/L												Deleted the limit because there			
														was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water. Require			
107	Chlordane	μg/L												interim monitoring.	0.0035	0.0012	
														Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
108	4,4'-DDT	μg/L												effluent or receiving water.	0.00059	0.0012	
														Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
109	4,4'-DDE	μg/L												effluent or receiving water.	0.00059	0.0012	
														Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
110	4,4'-DDD	μg/L	-					1						effluent or receiving water.	0.00084	0.0169	
111	Dieldrin	μg/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.00014	0.0003	
												1		Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
112	alpha-Endosulfan	μg/L												effluent or receiving water.	0.0457	0.0918	

FS - Table R1, 16/20 8/31/2006

						CTR CF	RITERIA				DE	ACONADI E	DOTENT	AL ANIALV	CIC (DDA			HUMAN HEALTH CALC	ULATIONS
					Fres	hwater	Human	Health	Basin Plan		KE/	ASONABLE	POTENTI	AL ANALY	SIS (HPA	.)		Organisns (	Only
CTR#	DATE	Units	cv	MEC	C acute = CMC tot	C chronic =	Not applicable C hh W&O	C hh O	applicable C Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	В	B>C & present in Effl.	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = MDEL/ ECA = C hh O MDEL/ aMEL multiplier	MDEL hh
113	beta-Endosulfan	μg/L	0.6	S <0.1	0.22	2 0.056	110	240		0.056	i NO	Go to Tier 2	<50	No	Go to	NO	NO		
												Go to			Go to				
114	Endosulfan Sulfate	μg/L	0.6	<0.1	NONE	NONE	110	240		240	NO	Tier 2	<50	No	tier 3	NO	NO		
115	Endrin	μg/L	0.6	6 <0.1	0.086	6 0.036	0.76	0.81		0.036	NO	Go to Tier 2 Go to	<50	No	Go to tier 3	NO	NO		
116	Endrin Aldehyde	μg/L	0.6	<0.1	NONE	NONE	0.76	0.81		0.81	NO	Tier 2	<50	No	tier 3	NO	NO		
117	Heptachlor	μg/L	0.6	8 <0.05	0.52	2 0.0038	0.00021	0.00021		0.00021	NO	Go to Tier 2	<50	No	Go to tier 3	NO	NO		
118	Heptachlor Epoxide Polychlorinated biphenyls	μg/L	0.6	6 < 0.05	0.52	2 0.0038	0.0001	0.00011		0.00011	NO	Go to Tier 2	<50	No	Go to tier 3	NO	NO		
	(PCBs)	μg/L											<50		tier 3	NO	NO		
119	Aroclor 1016	μg/L	0.6	6 <0.5	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2	<50	No	Go to tier 3	NO	NO		
120	Aroclor 1221	μg/L	0.6	6 <0.5	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2	<50	No	Go to tier 3	NO	NO		
121	Aroclor 1232	μg/L	0.6	6 < 0.5	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2	<50	No	Go to tier 3	NO	NO		
122	Aroclor 1242	μg/L	0.6	6 < 0.05	NONE	0.014	0.00017	0.00017		0.00017	'ND>C	Go to Tier 2	<50	No	Go to tier 3	NO	NO		

FS - Table R1, 17/20 8/31/2006

				AQUATIO	LIFE CALCU	LATIONS		AQU	ATIC LIFE	CALCULATI	ONS				Pr	evious Perr	nit Limits
					Freshwater				Fres	hwater		PROPOSE	ED LIMITS		Order 00	-166	
CTR#	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL ag.life	MDEL multiplier (n=4)	MDEL aglife	Lowest AMFI	Lowest MDFI	Recommendation	Mo. Ave	Daily Max	
	3 beta-Endosulfan	µg/L	(5)					()	uqo	()	uqo			Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.0457		
		µу/∟												9	0.0437	0.0916	
114	4 Endosulfan Sulfate	μg/L												Interim Monitoring - No Limit Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
115	5 Endrin	μg/L												effluent or receiving water.	0.043	0.0858	
116	6 Endrin Aldehyde	μg/L												Interim Monitoring - No Limit Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
117	7 Heptachlor	μg/L												effluent or receiving water.	0.00021	0.0004	
118	3 Heptachlor Epoxide	μg/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.0001	0.0002	
	Polychlorinated biphenyls (PCBs)	μg/L												Interim Monitoring - No Limit			
119	Aroclor 1016	μg/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.00017	0.00034	
120	) Aroclor 1221	μα/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.00017	0.00034	
														Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
	1 Aroclor 1232 2 Aroclor 1242	μg/L μg/L												effluent or receiving water.  Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.		0.00034	

FS - Table R1, 18/20 8/31/2006

### Reasonable Potential Analysis and Limit Derivation Using SIP Methodology

#### Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge) (CA0059099, CI#6599)

						CTR CF	RITERIA											HUMAN HE	ALTH CALC	ULATIONS
					_				D : DI		REAS	SONABLE	POTENTI	AL ANALY	SIS (RPA)	)				
					Fre	eshwater	Human	Health	Basin Plan Not										Organisns C	niy
СТЕ	# DATE	Units	cv		C acute = CMC tot		Not applicable C hh W&O	C hh O	applicable C Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	В	B>C & present in Effl.		Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh O	MDEL/ AMEL multiplier	MDEL hh
1	23 Aroclor 1248	μg/L	0.6	6 <0.05	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2	<50	No	Go to tier 3	NO	NO			
1	24 Aroclor 1254	μg/L	0.6	S <0.05	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2	<50	No	Go to tier 3	NO	NO			
1	25 Aroclor 1260	μg/L	0.6	6 <0.05	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2	<50	No	Go to	NO	NO			
1	26 Toxaphene	μg/L	0.6	6 < 0.05	0.	73 0.0002	0.0073	0.00075	3	0.00075	ND>C	Go to	<100	No	Go to tier 3	NO	NO			
	TNOTE:																			
*	These metals are hardness dependent. CTR criteria was calculated using an average effluent water hardness of 171 mg/L based on best professional judgement.																			

FS - Table R1, 19/20 8/31/2006

### Reasonable Potential Analysis and Limit Derivation Using SIP Methodology Malibu Mesa Water Reclamation Plant (Discharge #001 - POTW Discharge) (CA0059099, CI#6599)

				AQUATIC	LIFE CALCU	LATIONS		AQU	ATIC LIFE	CALCULATI	ONS				Pr	evious Per	mit Limits
					Freshwater				Fres	hwater		PROPOSE	D LIMITS		Order 00	-166	
CTR#	DATE	Units	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aglife	Lowest AMEL	Lowest MDEL	Recommendation	Mo. Ave	Daily Max	
														Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the			
123		μg/L												effluent or receiving water. Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.		0.00034	
124		μg/L μg/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.		0.00034	
126	Toxaphene	μg/L												Deleted the limit because there was no RP. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water.	0.0002	0.0003	
*	NOTE: These metals are hardness dependent. CTR criteria was calculated using an average effluent water hardness of 171 mg/L based on best professional judgement.																

FS - Table R1, 20/20 8/31/2006